

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 02/24/2022 09:40 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125962	0	1.57	125873	1.54
Blue	F	SSC	125000	123702	-2	3.04	124111	2.92
Blue	E	FITC	13602	13412	-2	2.38	376	13.53
Blue	D	PE	24891	24745	-1	1.79	588	10.10
Blue	B	PerCP-Cy5-5	33972	33305	-2	3.06	952	14.49
Blue	A	PE-Cy7	22865	23129	1	4.79	484	29.39
Red	C	APC	47198	46928	-1	2.54	1618	11.28
Red	A	APC-Cy7	26454	25587	-4	3.09	724	11.86
Violet	B	V450	6737	6554	-3	3.72	460	11.13
Violet	A	V500	29317	28363	-4	3.17	974	8.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24469	2.63	533	-2	N/A	N/A	Pass
Blue	F	SSC	55695	2.25	514	-7	N/A	N/A	Pass
Blue	E	FITC	57	55.60	484	0	0.0447	215	Pass
Blue	D	PE	114	37.07	486	0	0.4355	288	Pass
Blue	B	PerCP-Cy5-5	150	40.95	577	-2	0.0214	99	Pass
Blue	A	PE-Cy7	81	75.43	620	-1	0.0238	0	Pass
Red	C	APC	339	25.33	572	0	0.0292	177	Pass
Red	A	APC-Cy7	136	34.11	548	-3	0.0071	1625	Pass
Violet	B	V450	77	46.82	451	1	0.0640	2564	Pass
Violet	A	V500	114	27.55	470	1	0.0250	310	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.21	-31.76	1.02
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	17.59	13.90 - 20.86	N/A	N/A	29.99	30.42	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11260

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments